

Notice of Allowability	Application No.	Applicant(s)	
	10/087,063	NAM ET AL.	
	Examiner	Art Unit	
	Hsien-Ming Lee	2823	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. A This communication is responsive to 7/23/04.			
2. The allowed claim(s) is/are 1-9 and 11-23.			
3. The drawings filed on are accepted by the Examiner.			
4.			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/C Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	Paper No./Mail Da	(PTO-413), te ment/Comment	
	HSIEN-I PRIMARY	WING LE: EXAMIN'SEE 8/2	boot

DETAILED ACTION

Remarks

- 1. The Final rejection mailed 4/21/2004 is withdrawn.
- Applicants' RCE filing is acknowledged. Claims 1-9 and 11-23 are pending in the 2. application.
- 3. The originally filed drawings (Figs. 1-18) on 3/1/2002 and corrected drawing (Fig. 19) filed on 9/8/2003 are approved.

Allowable Subject Matter

- 4. Claims 1-9 and 11-23 are allowed.
- 5. The following is an examiner's statement of reasons for allowance:

The closest prior art of record, Liu et al. to US 6,352,896, teaches a related semiconductor device, as stated in the previous Office Action.

In contrast, Liu et al. at least neither teach nor suggest forming a plurality of contact plugs through the first and the second interlayer insulating layers to respectively contact the sidewalls and a predetermined portion of the top surface of each of the plurality of second SACs; and forming a plurality of bit lines, each of the plurality of bit lines respectively formed along one of the plurality of second rows and extending in a direction of the major axis of each of the plurality of active regions, the plurality of second rows corresponding to areas having an absence of contact between any of the plurality of active regions and a top surface of any of the plurality of contact plugs.

Therefore, the instant invention is neither anticipated nor rendered obvious over the prior art of record.

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6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hsien-Ming Lee whose telephone number is 571-272-1863. The examiner can normally be reached on Tuesday-Thursday ($8:00 \sim 6:30$).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri can be reached on 571-272-1855. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hsien-Ming Lee Primary Examiner Art Unit 2823

August 12, 2004

HSIEN-MING LEE PRIMARY EXAMINED